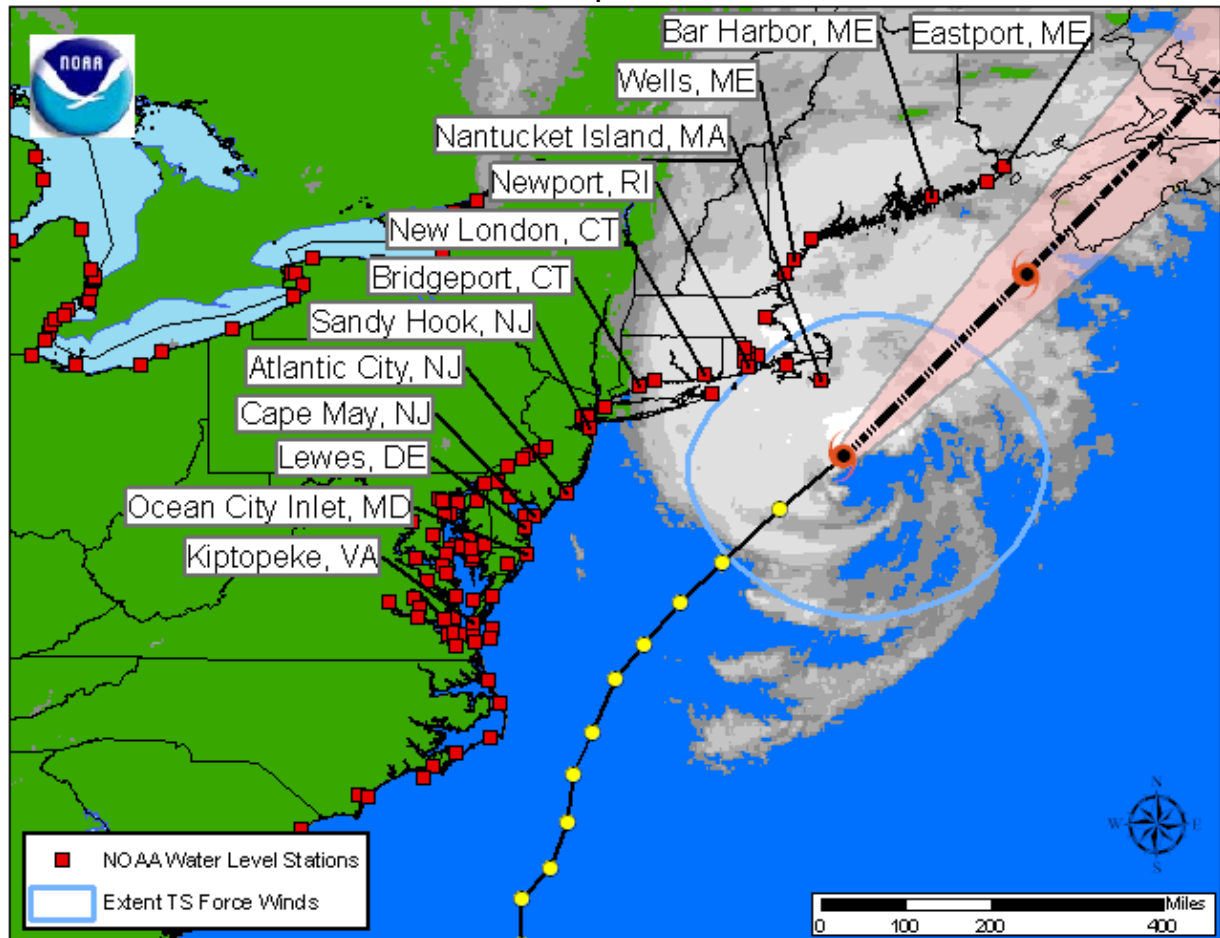




Hurricane EARL QuickLook
Posted: 00:00 EDT 09/04/2010

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/04/2010 00:00 EDT, water levels along the eastern U.S. coastline from Virginia to New Jersey are rising and are elevated between 0.5 and 1.5 feet above predictions. Water levels north of Sandy Hook, NJ to Nantucket are generally falling but elevated approx. 1.5 feet above predictions.

Wind speeds from New London, CT north to Wells, ME are steadily increasing and generally range from 10-15 knots with slightly higher gusts. Nantucket is seeing the largest wind speeds, ranging from 20-25 knots with gusts up to 35 knots. South of New London winds are generally decreasing.

Barometric pressure is falling rapidly north of New London, CT, and generally leveling or increasing to the south along the east coast.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

EASTPORT, ME: Next predicted high tides are 16.90 ft (5.15 m) at 09/04/2010 07:24 EDT and 18.70 ft (5.70 m) at 09/04/2010 19:49 EDT.

BAR HARBOR, ME: Next predicted high tides are 9.62 ft (2.93 m) at 09/04/2010 07:16 EDT and 11.20 ft (3.41 m) at 09/04/2010 19:37 EDT.

WELLS, ME: Next predicted high tides are 7.94 ft (2.42 m) at 09/04/2010 07:43 EDT and 9.49 ft (2.89 m) at 09/04/2010 20:03 EDT.

NANTUCKET ISLAND, MA: Next predicted high tides are 2.75 ft (0.84 m) at 09/04/2010 08:53 EDT and 3.83 ft (1.17 m) at 09/04/2010 21:08 EDT.

NEWPORT, RI: Next predicted high tides are 3.24 ft (0.99 m) at 09/04/2010 04:20 EDT and 3.98 ft (1.21 m) at 09/04/2010 16:49 EDT.

NEW LONDON, CT: Next predicted high tides are 2.43 ft (0.74 m) at 09/04/2010 06:12 EDT and 3.23 ft (0.98 m) at 09/04/2010 18:40 EDT.

BRIDGEPORT, CT: Next predicted high tides are 6.41 ft (1.95 m) at 09/04/2010 08:01 EDT and 7.41 ft (2.26 m) at 09/04/2010 20:21 EDT.

SANDY HOOK, NJ: Next predicted high tides are 4.34 ft (1.32 m) at 09/04/2010 04:23 EDT and 5.39 ft (1.64 m) at 09/04/2010 16:44 EDT.

ATLANTIC CITY, NJ Next predicted high tides are 3.56 ft (1.09 m) at 09/04/2010 04:04 EDT and 4.90 ft (1.49 m) at 09/04/2010 16:31 EDT.

LEWES, DE Next predicted high tides are 3.65 ft (1.11 m) at 09/04/2010 05:11 EDT and 4.96 ft (1.51 m) at 09/04/2010 17:45 EDT.

OCEAN CITY INLET, MD Next predicted high tides are 1.93 ft (0.59 m) at 09/04/2010 04:25 EDT and 2.55 ft (0.78 m) at 09/04/2010 17:23 EDT.

KIPTOPEKE, VA: Next predicted high tides are 2.51 ft (0.77 m) at 09/04/2010 05:07 EDT and 3.13 ft (0.95 m) at 09/04/2010 17:39 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) homepage.

Analyst:WFR

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM EARL ADVISORY NUMBER 39
1100 PM EDT FRI SEP 03 2010

...EARL WEAKENS TO A TROPICAL STORM...EXPECTED TO BRING RAIN AND STRONG WINDS TO PORTIONS OF NEW ENGLAND AND ATLANTIC CANADA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE HURRICANE WARNING FROM WOODS HOLE MASSACHUSETTS EASTWARD AROUND CAPE COD TO SAGAMORE BEACH MASSACHUSETTS...INCLUDING MARTHAS VINEYARD AND NANTUCKET ISLAND HAS BEEN CHANGED TO A TROPICAL STORM WARNING.

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED WEST OF WATCH HILL RHODE ISLAND AND FOR ALL OF LONG ISLAND.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * WATCH HILL RHODE ISLAND EASTWARD AROUND CAPE COD TO HULL MASSACHUSETTS...INCLUDING MARTHAS VINEYARD...NANTUCKET ISLAND...AND BLOCK ISLAND**
- * STONINGTON MAINE TO EASTPORT MAINE**

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM EDT THE CENTER OF TROPICAL STORM EARL WAS LOCATED NEAR LATITUDE 40.0 NORTH...LONGITUDE 69.7 WEST. EARL IS MOVING TOWARD THE NORTHEAST NEAR 25 MPH AND A GENERAL NORTHEASTWARD OR NORTH-NORTHEASTWARD MOTION WITH AN INCREASE IN FORWARD SPEED IS EXPECTED OVER THE NEXT DAY OR SO. ON THE FORECAST TRACK...EARL WILL PASS OFFSHORE OF CAPE COD OVERNIGHT.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 70 MPH WITH HIGHER GUSTS. ADDITIONAL WEAKENING IS FORECAST DURING THE NEXT 48 HOURS.

EARL IS A LARGE TROPICAL STORM. TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES FROM THE CENTER.

HAZARDS AFFECTING LAND

WINDS...TROPICAL STORM CONDITIONS WILL SPREAD INTO THE TROPICAL STORM WARNING AREA FROM RHODE ISLAND TO COASTAL MASSACHUSETTS TONIGHT. TROPICAL STORM CONDITIONS WILL REACH THE WARNING AREA IN DOWNEAST MAINE EARLY SATURDAY.

STORM SURGE...WATER LEVELS COULD RISE BY AS MUCH AS 1 TO 3 FEET ABOVE GROUND LEVEL FROM NEW JERSEY NORTHWARD TO CAPE COD INCLUDING LONG

ISLAND SOUND. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES.

RAINFALL...EARL IS EXPECTED TO PRODUCE 1 TO 3 INCH RAINFALL ACCUMULATIONS OVER EASTERN NEW ENGLAND...WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES POSSIBLE.

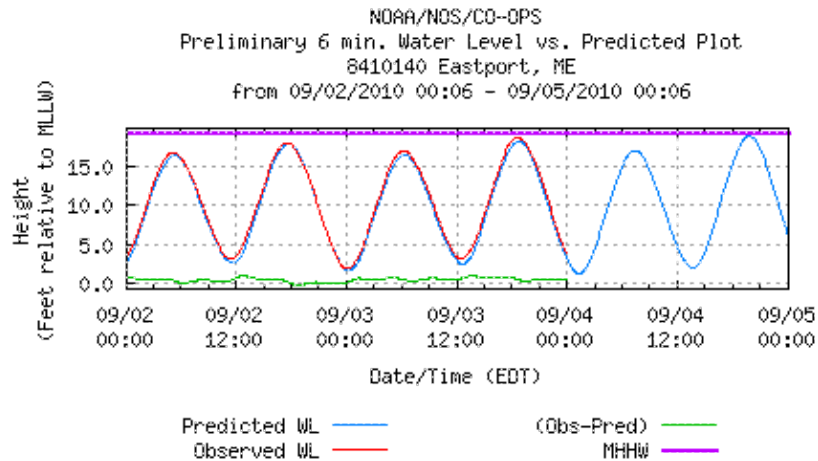
SURF...LARGE SWELLS FROM EARL WILL CONTINUE TO AFFECT THE EAST COAST OF THE UNITED STATES FROM NEW JERSEY NORTHWARD THROUGH SATURDAY. THESE SWELLS WILL LIKELY CAUSE DANGEROUS SURF CONDITIONS AND RIP CURRENTS.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Eastport - Water Level](#), [Eastport - Winds](#), [Eastport - Barometric](#), [Eastport - Air/Water Temp](#), [Bar Harbor - Water Level](#), [Bar Harbor - Winds](#), [Bar Harbor - Barometric](#), [Bar Harbor - Air/Water Temp](#), [Wells - Water Level](#), [Wells - Winds](#), [Wells - Barometric](#), [Wells - Air/Water Temp](#), [Nantucket Island - Water Level](#), [Nantucket Island - Winds](#), [Nantucket Island - Barometric](#), [Nantucket Island - Air/Water Temp](#), [Newport - Water Level](#), [Newport - Winds](#), [Newport - Barometric](#), [Newport - Air/Water Temp](#), [New London - Water Level](#), [New London - Winds](#), [New London - Barometric](#), [New London - Air/Water Temp](#), [Bridgeport - Water Level](#), [Bridgeport - Winds](#), [Bridgeport - Barometric](#), [Bridgeport - Air/Water Temp](#), [Sandy Hook - Water Level](#), [Sandy Hook - Winds](#), [Sandy Hook - Barometric](#), [Sandy Hook - Air/Water Temp](#), [Atlantic City - Water Level](#), [Cape May - Winds](#), [Cape May - Barometric](#), [Cape May - Air/Water Temp](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Lewes - Barometric](#), [Lewes - Air/Water Temp](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Ocean City Inlet - Air/Water Temp](#), [Kiptopeke - Water Level](#), [Kiptopeke - Winds](#), [Kiptopeke - Air/Water Temp](#),

Eastport, ME - [Return to List](#)

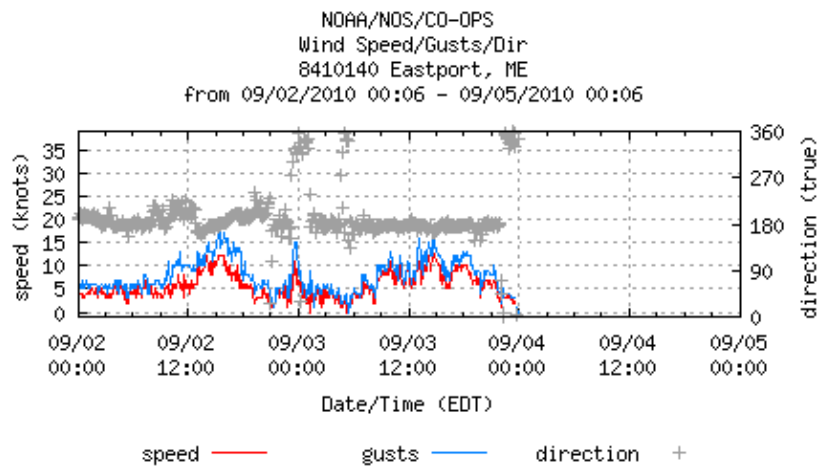


Last Observed Sample: 09/03/2010 23:54 (EDT)

Relative to **MLLW**: **Observed: 3.83 ft. Predicted: 3.37 ft. Residual: 0.46 ft.**

Historical Maximum Water Level: Jan 10 1997, 4.95 ft. above **MHHW**

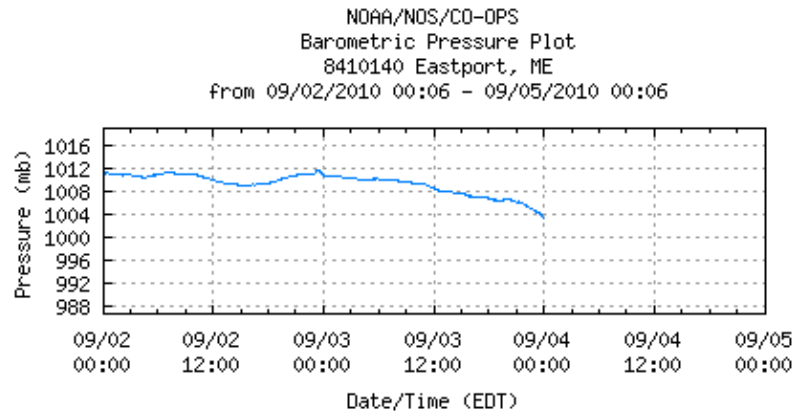
Eastport, ME - [Return to List](#)



Last Observed Sample: 09/03/2010 23:54 (EDT)

Wind Speed: 0 knots Gusts: 0 knots Direction: 347° T

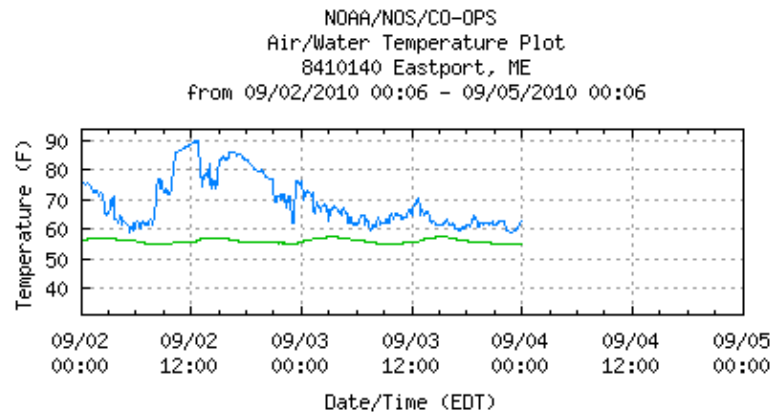
Eastport, ME - [Return to List](#)



Last Observed Sample: 09/03/2010 23:54 (EDT)

Barometric Pressure: 1003.4 mb

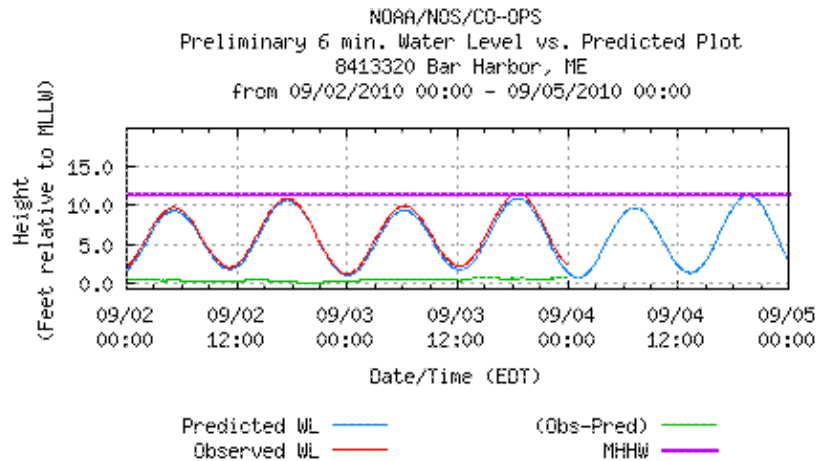
Eastport, ME - [Return to List](#)



Last Observed Sample: 09/03/2010 23:54 (EDT)

Water Temperature: 55.1° F Air Temperature: 62.7° F

Bar Harbor, ME - [Return to List](#)

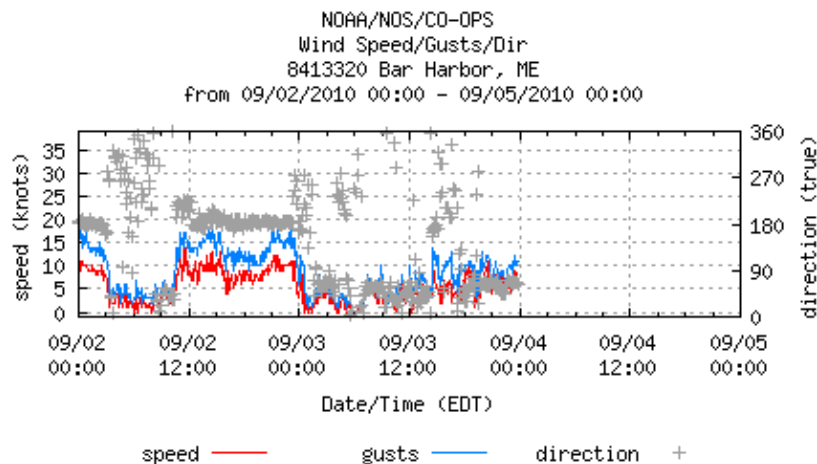


Last Observed Sample: 09/03/2010 23:48 (EDT)

Relative to **MLLW**: **Observed: 2.45 ft.** **Predicted: 1.61 ft.** **Residual: 0.84 ft.**

Historical Maximum Water Level: Feb 7 1978, 4.84 ft. above **MHHW**

Bar Harbor, ME - [Return to List](#)

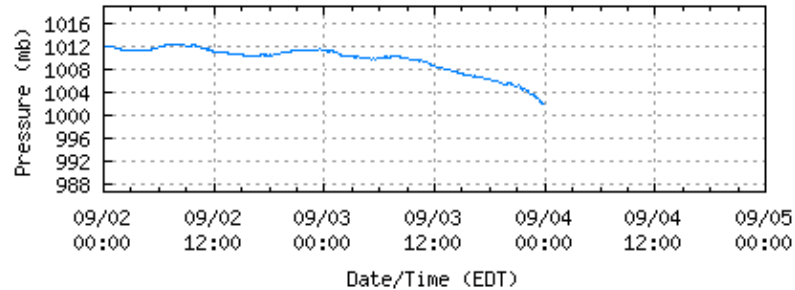


Last Observed Sample: 09/03/2010 23:48 (EDT)

Wind Speed: 7 knots **Gusts: 11 knots** Direction: 064° T

Bar Harbor, ME - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8413320 Bar Harbor, ME
from 09/02/2010 00:00 - 09/05/2010 00:00



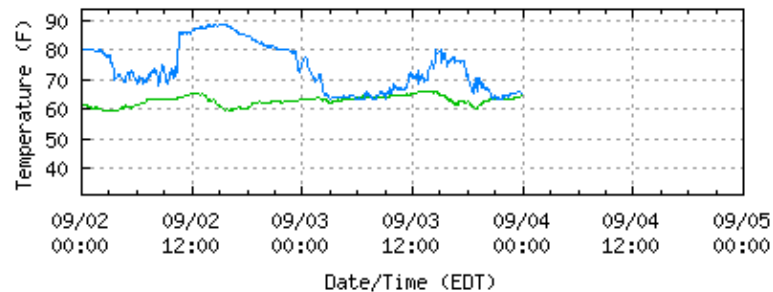
barometric pressure —

Last Observed Sample: 09/03/2010 23:48 (EDT)

Barometric Pressure: 1001.8 mb

Bar Harbor, ME - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8413320 Bar Harbor, ME
from 09/02/2010 00:00 - 09/05/2010 00:00

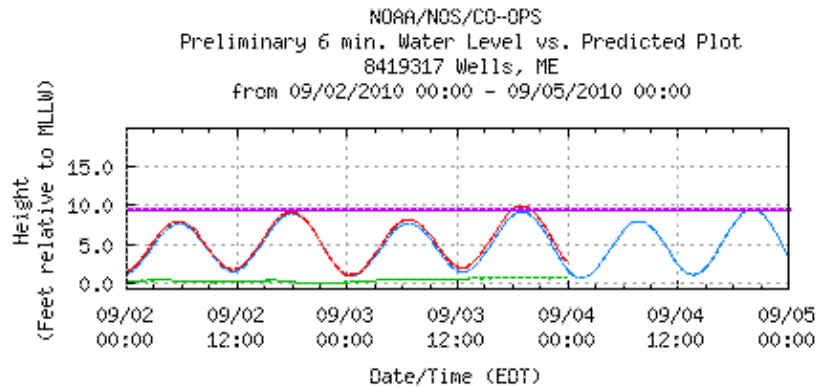


water temp. — air temp —

Last Observed Sample: 09/03/2010 23:48 (EDT)

Water Temperature: 64.4° F Air Temperature: 65.5° F

Wells, ME - [Return to List](#)



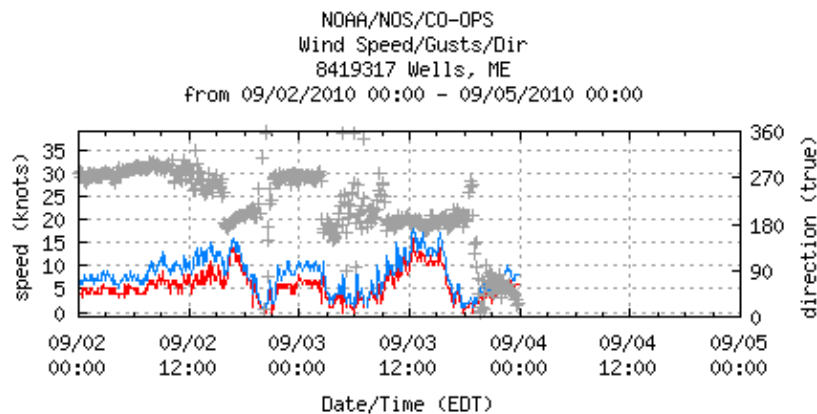
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/03/2010 23:48 (EDT)

Relative to **MLLW**: **Observed: 2.83 ft. Predicted: 1.99 ft. Residual: 0.84 ft.**

Historical Maximum Water Level: Apr 16 2007, 3.57 ft. above **MHHW**

Wells, ME - [Return to List](#)

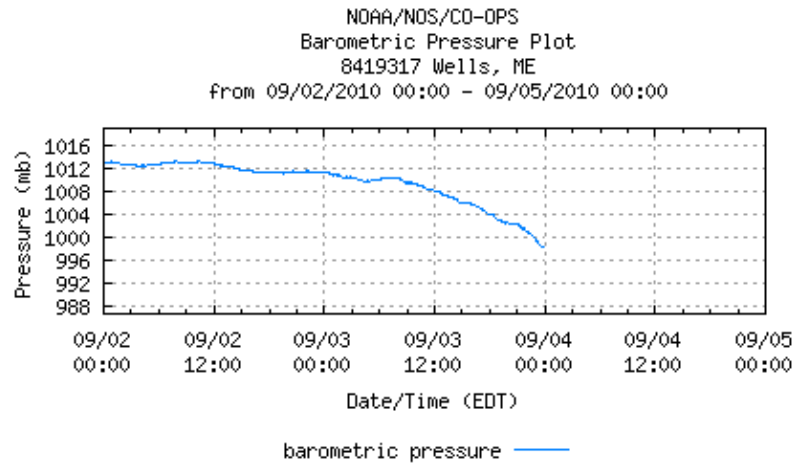


speed — gusts — direction +

Last Observed Sample: 09/03/2010 23:48 (EDT)

Wind Speed: 6 knots Gusts: 8 knots Direction: 027° T

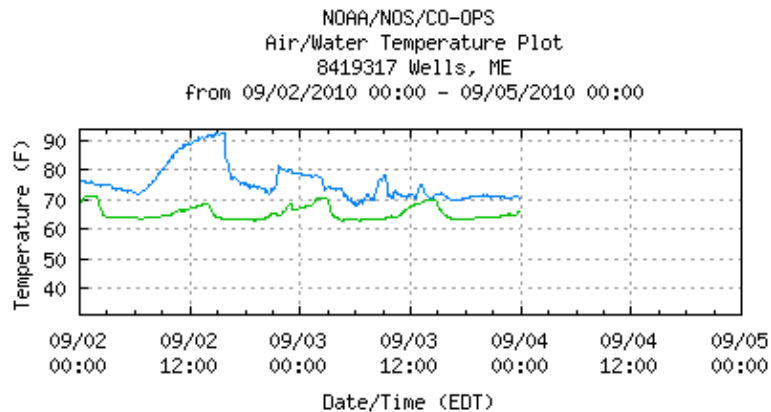
Wells, ME - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Barometric Pressure: 998.1 mb

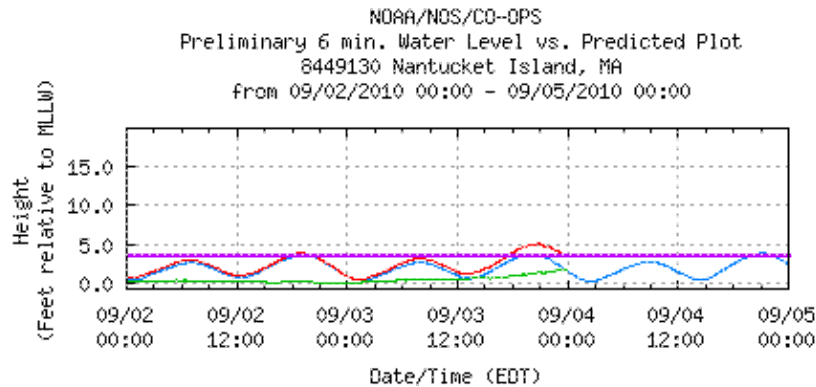
Wells, ME - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Water Temperature: 66.2° F Air Temperature: 70.7° F

Nantucket Island, MA - [Return to List](#)

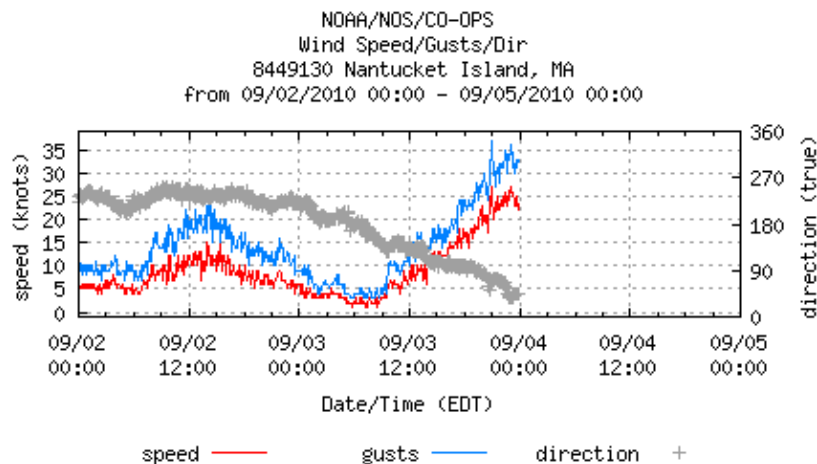


Last Observed Sample: 09/03/2010 23:48 (EDT)

Relative to **MLLW**: **Observed: 3.44 ft. Predicted: 1.69 ft. Residual: 1.75 ft.**

Historical Maximum Water Level: Oct 30 1991, 4.29 ft. above **MHHW**

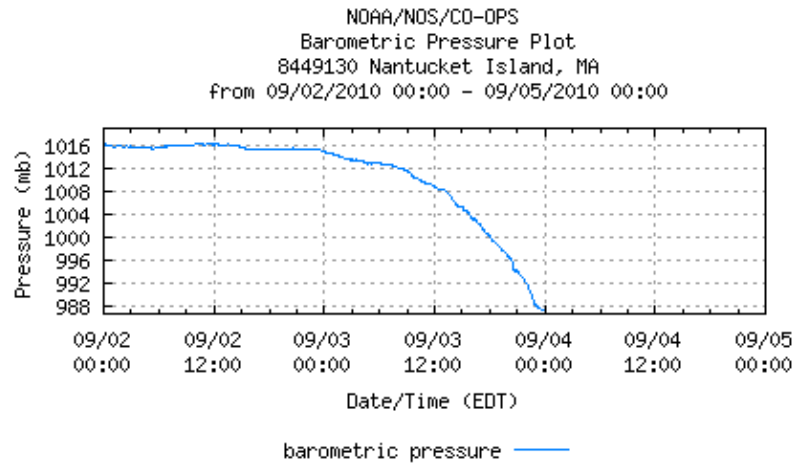
Nantucket Island, MA - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Wind Speed: 22 knots Gusts: 33 knots Direction: 045° T

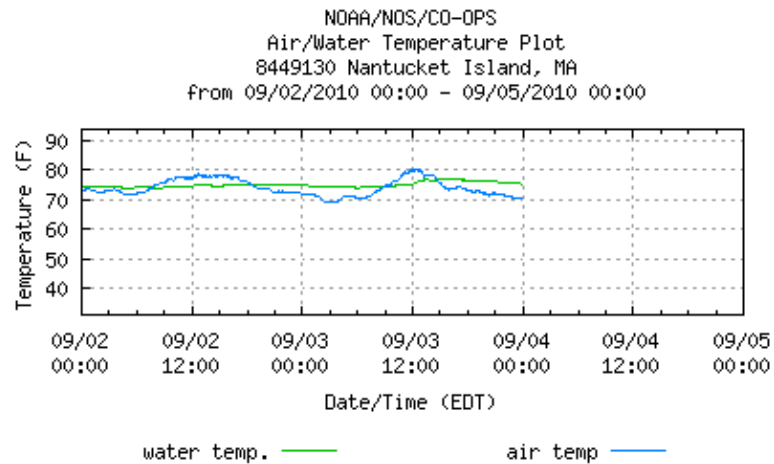
Nantucket Island, MA - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Barometric Pressure: 987.1 mb

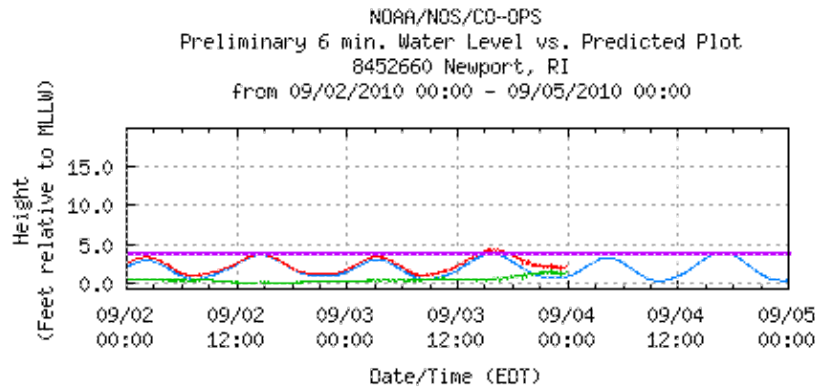
Nantucket Island, MA - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Water Temperature: 75.4° F Air Temperature: 70.7° F

Newport, RI - [Return to List](#)

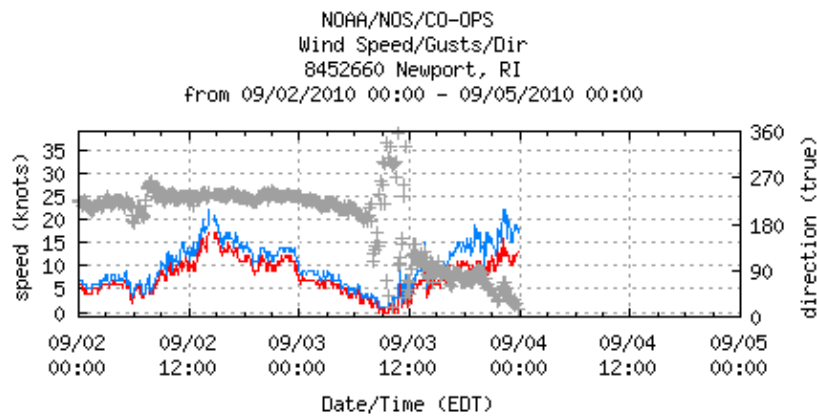


Last Observed Sample: 09/03/2010 23:48 (EDT)

Relative to **MLLW**: **Observed: 2.22 ft. Predicted: 0.84 ft. Residual: 1.38 ft.**

Historical Maximum Water Level: Sep 21 1938, 9.46 ft. above **MHHW**

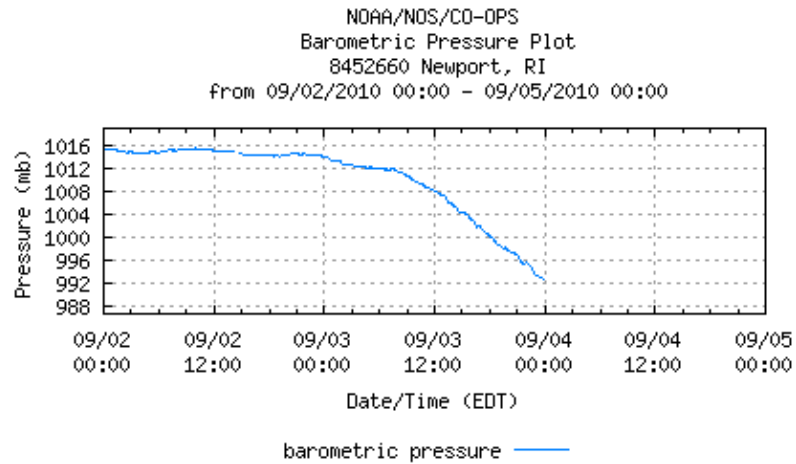
Newport, RI - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Wind Speed: 13 knots Gusts: 17 knots Direction: 015° T

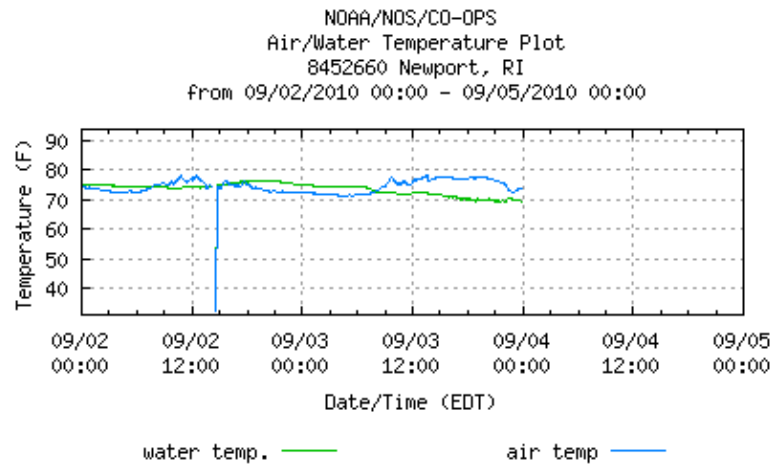
Newport, RI - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Barometric Pressure: 992.6 mb

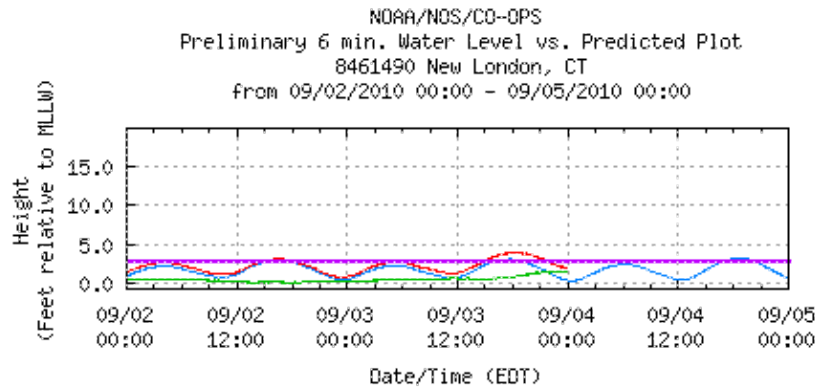
Newport, RI - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Water Temperature: 69.5° F Air Temperature: 73.9° F

New London, CT - [Return to List](#)

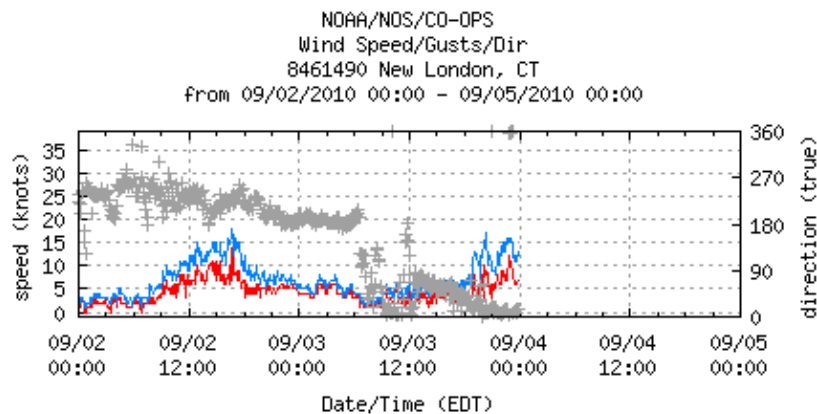


Last Observed Sample: 09/03/2010 23:48 (EDT)

Relative to **MLLW**: **Observed: 1.91 ft.** **Predicted: 0.42 ft.** **Residual: 1.49 ft.**

Historical Maximum Water Level: Sep 21 1938, 7.53 ft. above **MHHW**

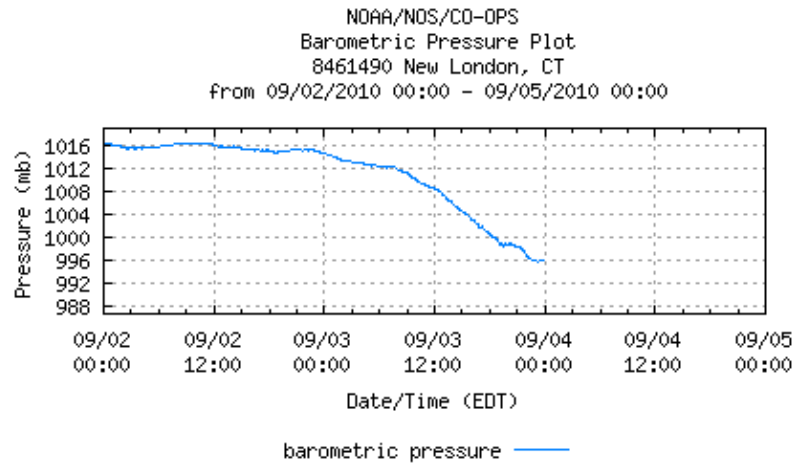
New London, CT - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Wind Speed: 7 knots **Gusts: 13 knots** Direction: 013° T

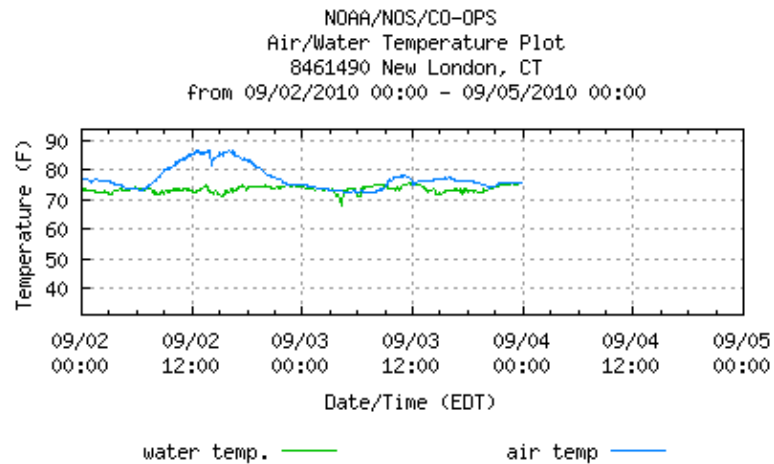
New London, CT - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Barometric Pressure: 995.8 mb

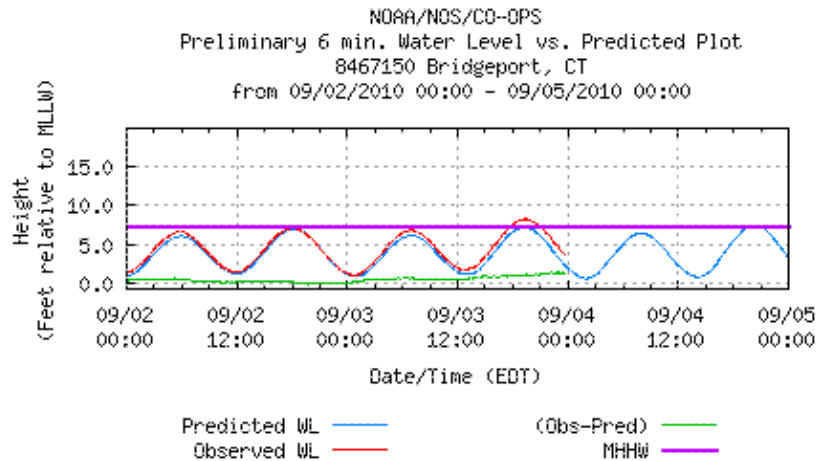
New London, CT - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Water Temperature: 75.6° F Air Temperature: 75.6° F

Bridgeport, CT - [Return to List](#)

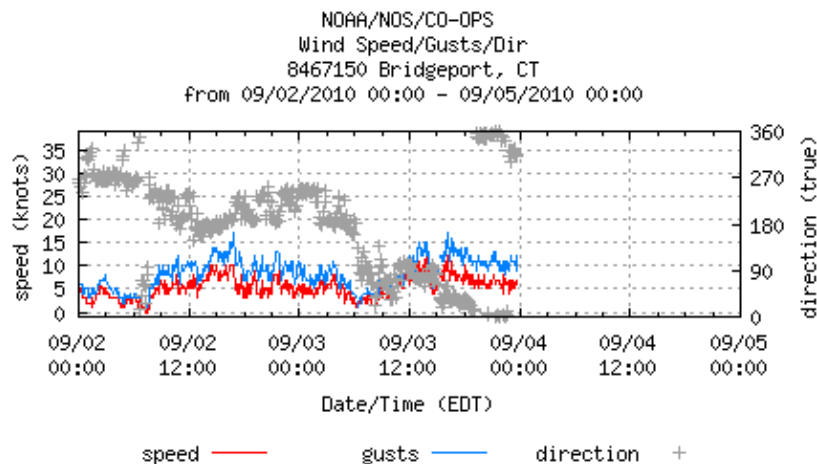


Last Observed Sample: 09/03/2010 23:42 (EDT)

Relative to **MLLW**: **Observed: 3.64 ft. Predicted: 2.32 ft. Residual: 1.32 ft.**

Historical Maximum Water Level: Sep 21 1938, 4.95 ft. above **MHHW**

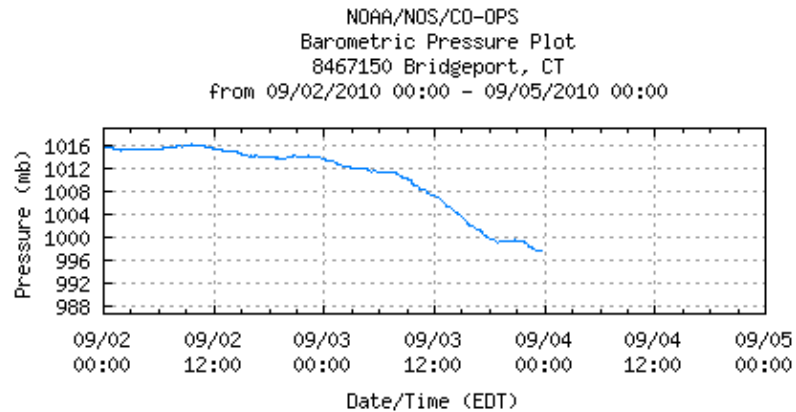
Bridgeport, CT - [Return to List](#)



Last Observed Sample: 09/03/2010 23:42 (EDT)

Wind Speed: 7 knots Gusts: 12 knots Direction: 312° T

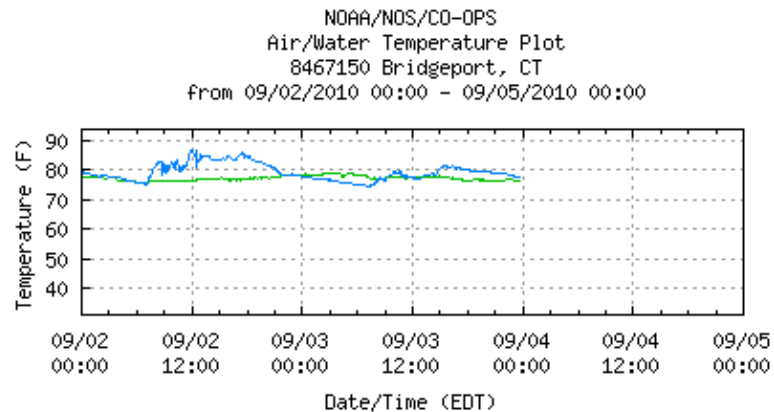
Bridgeport, CT - [Return to List](#)



Last Observed Sample: 09/03/2010 23:42 (EDT)

Barometric Pressure: 997.5 mb

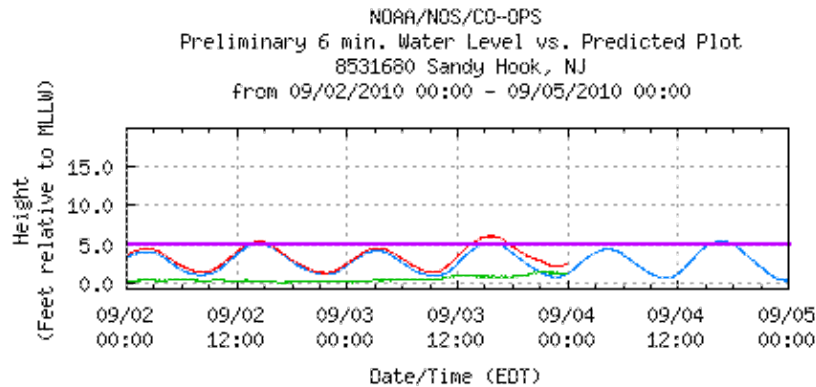
Bridgeport, CT - [Return to List](#)



Last Observed Sample: 09/03/2010 23:42 (EDT)

Water Temperature: 76.6° F Air Temperature: 77.4° F

Sandy Hook, NJ - [Return to List](#)



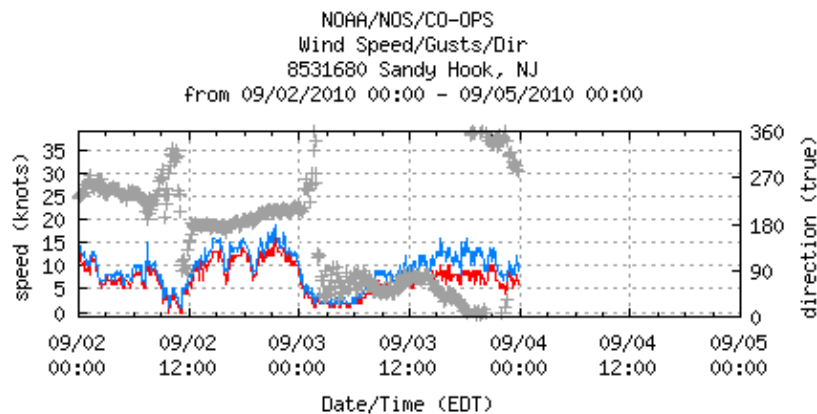
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/03/2010 23:48 (EDT)

Relative to **MLLW**: **Observed: 2.47 ft. Predicted: 1.14 ft. Residual: 1.33 ft.**

Historical Maximum Water Level: Sep 12 1960, 4.86 ft. above **MHHW**

Sandy Hook, NJ - [Return to List](#)

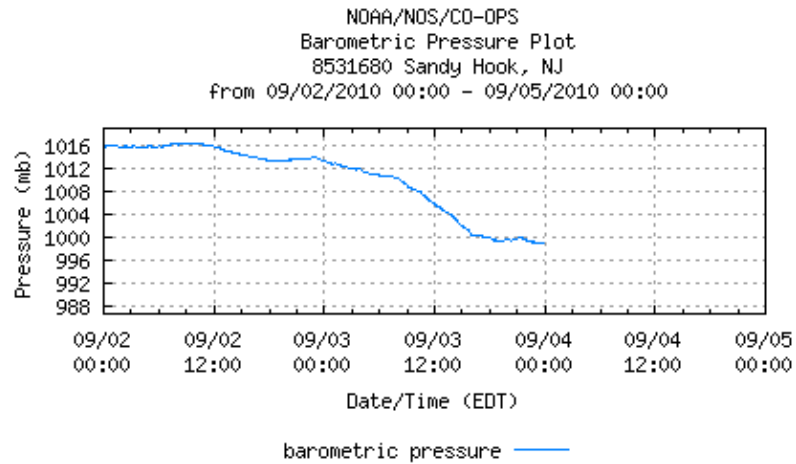


speed — gusts — direction +

Last Observed Sample: 09/03/2010 23:48 (EDT)

Wind Speed: 6 knots Gusts: 9 knots Direction: 281° T

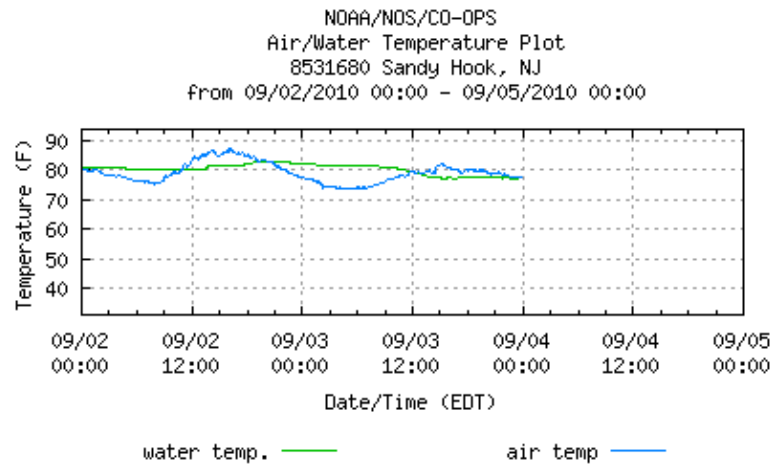
Sandy Hook, NJ - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Barometric Pressure: 999.0 mb

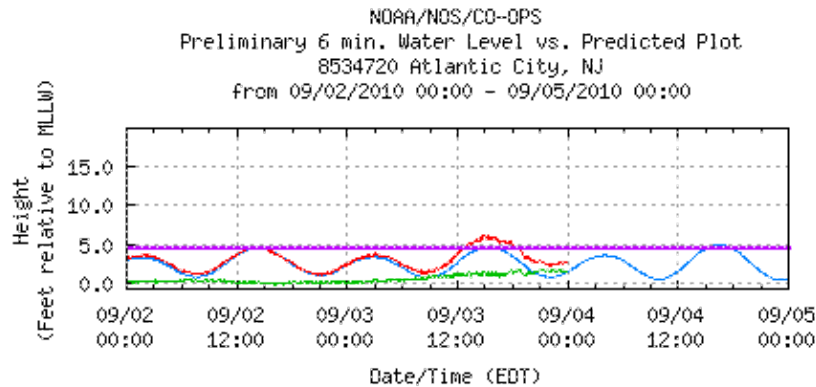
Sandy Hook, NJ - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Water Temperature: 77.4° F Air Temperature: 77.4° F

Atlantic City, NJ - [Return to List](#)

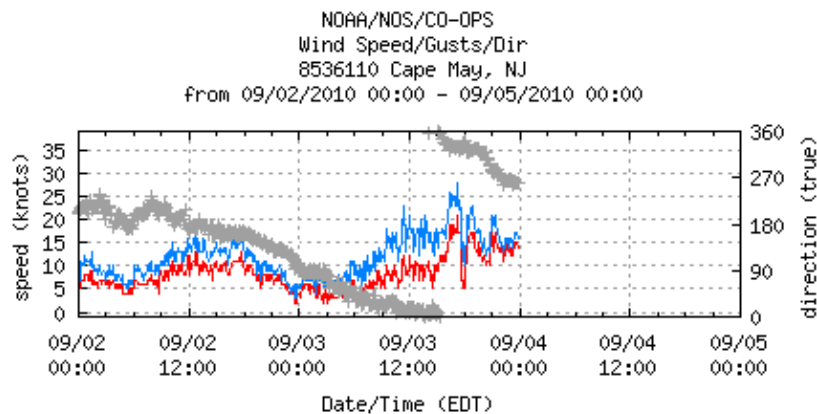


Last Observed Sample: 09/03/2010 23:48 (EDT)

Relative to **MLLW**: **Observed: 2.80 ft.** **Predicted: 1.37 ft.** **Residual: 1.43 ft.**

Historical Maximum Water Level: Dec 11 1992, 4.38 ft. above **MHHW**

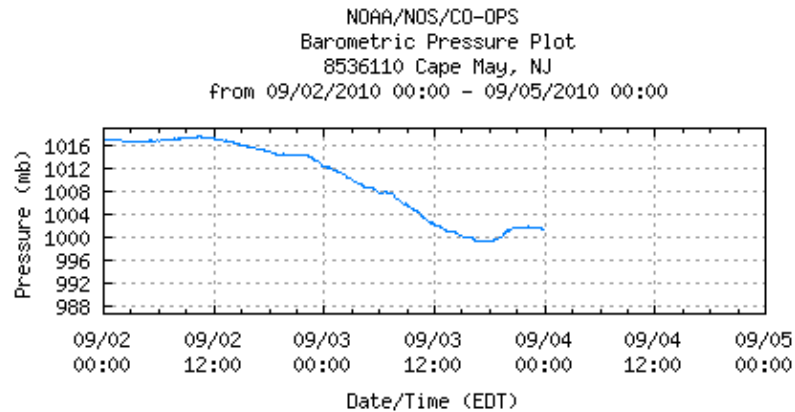
Cape May, NJ - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Wind Speed: 14 knots **Gusts: 16 knots** **Direction: 258° T**

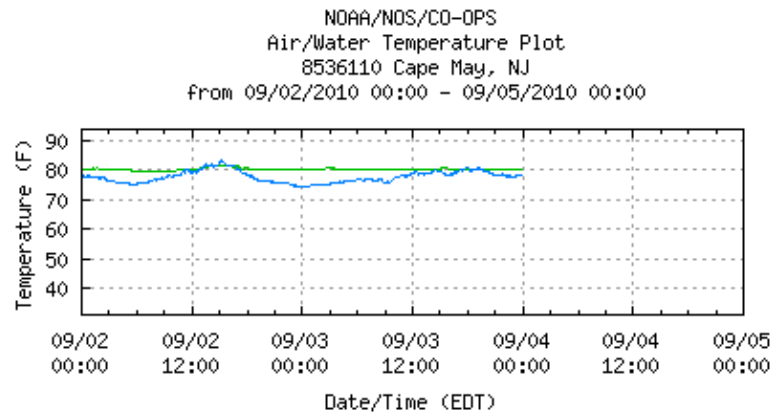
Cape May, NJ - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Barometric Pressure: 1001.4 mb

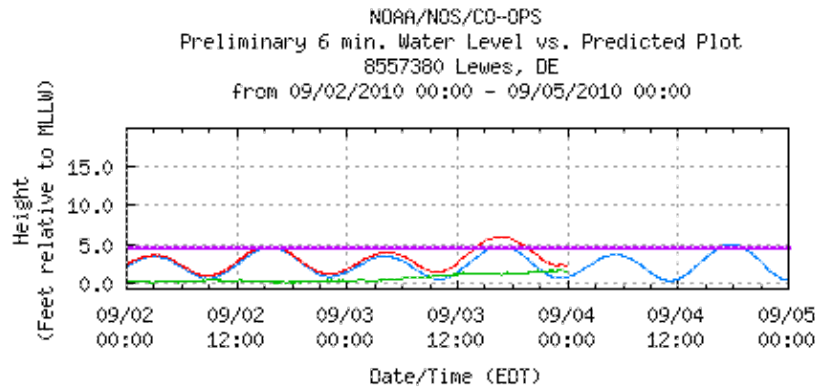
Cape May, NJ - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Water Temperature: 80.1° F Air Temperature: 78.1° F

Lewes, DE - [Return to List](#)

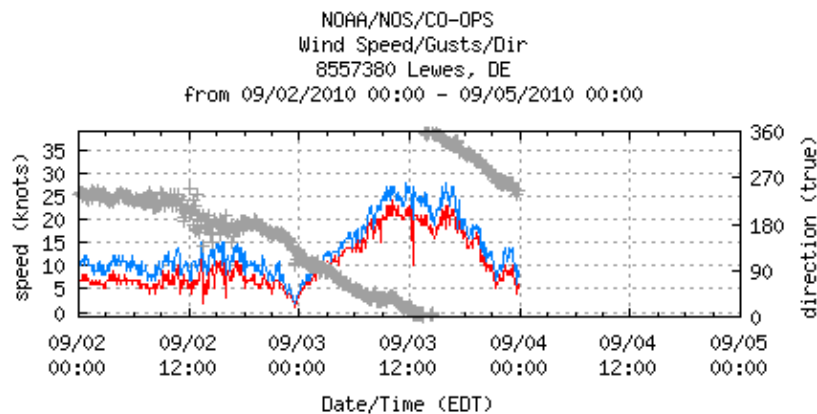


Last Observed Sample: 09/03/2010 23:48 (EDT)

Relative to **MLLW**: **Observed: 2.30 ft.** **Predicted: 0.76 ft.** **Residual: 1.54 ft.**

Historical Maximum Water Level: Mar 6 1962, 4.57 ft. above **MHHW**

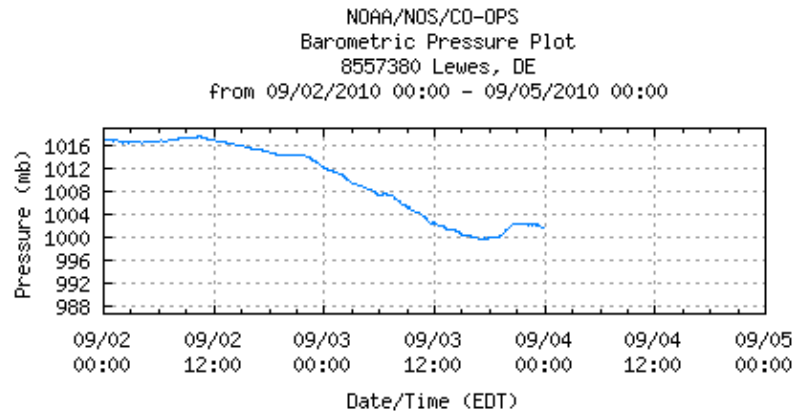
Lewes, DE - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Wind Speed: 6 knots **Gusts: 9 knots** **Direction: 244° T**

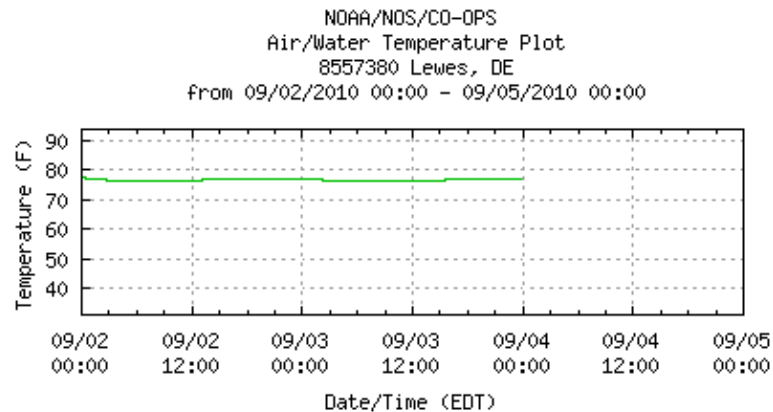
Lewes, DE - [Return to List](#)



Last Observed Sample: 09/03/2010 23:48 (EDT)

Barometric Pressure: 1001.6 mb

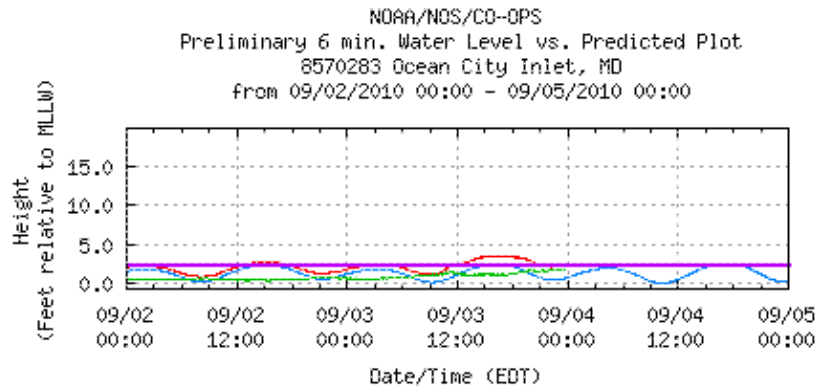
Lewes, DE - [Return to List](#)



Last Observed Sample: 09/02/2010 00:00 (EDT)

Water Temperature: 77.5° F Air Temperature: n/a

Ocean City Inlet, MD - [Return to List](#)



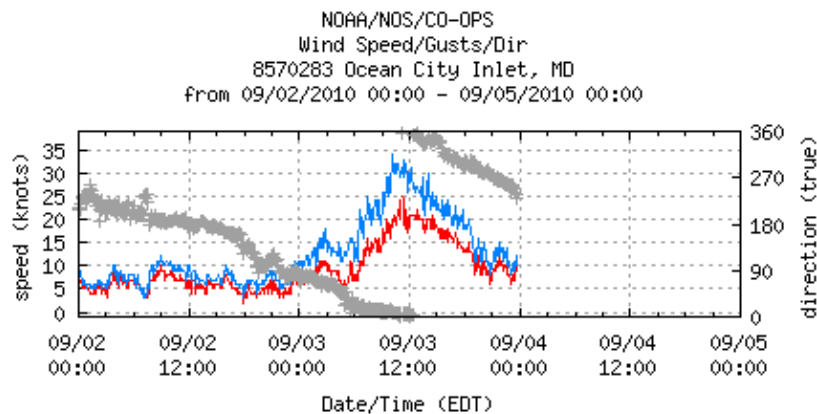
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/03/2010 23:42 (EDT)

Relative to **MLLW**: **Observed: 2.49 ft. Predicted: 0.67 ft. Residual: 1.82 ft.**

Historical Maximum Water Level: Feb 5 1998, 3.6 ft. above **MHHW**

Ocean City Inlet, MD - [Return to List](#)

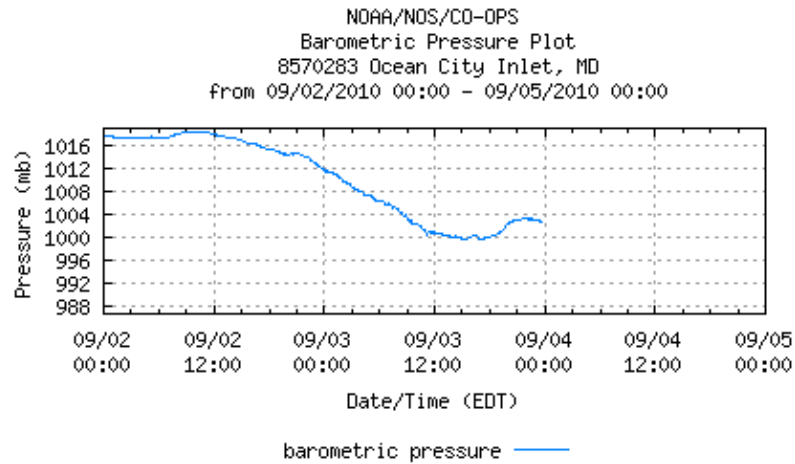


speed — gusts — direction +

Last Observed Sample: 09/03/2010 23:42 (EDT)

Wind Speed: 9 knots Gusts: 10 knots Direction: 231° T

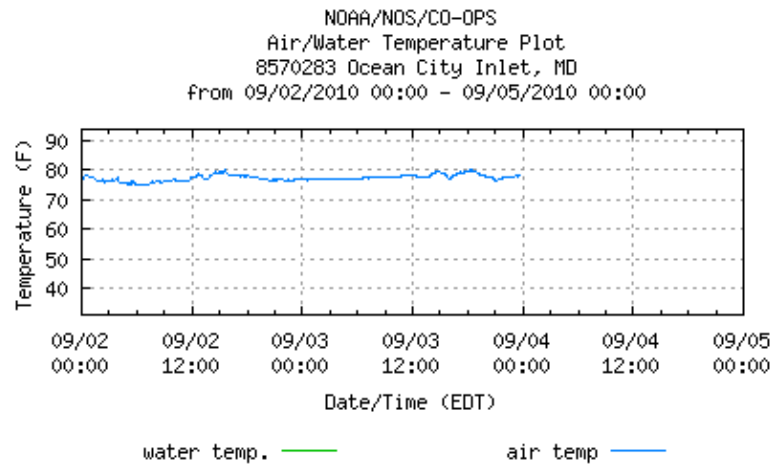
Ocean City Inlet, MD - [Return to List](#)



Last Observed Sample: 09/03/2010 23:42 (EDT)

Barometric Pressure: 1002.6 mb

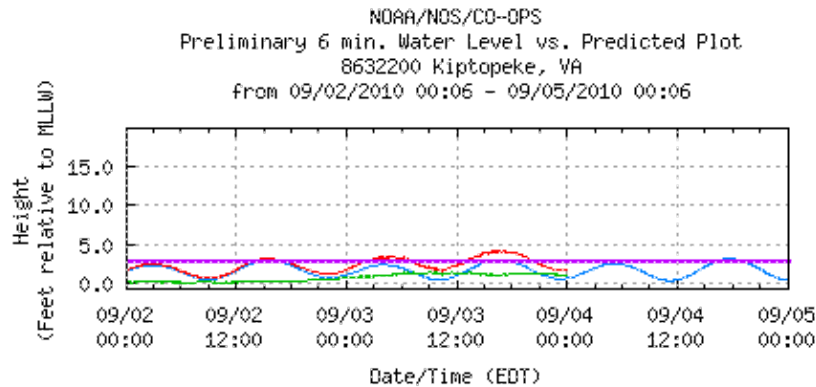
Ocean City Inlet, MD - [Return to List](#)



Last Observed Sample: 09/03/2010 23:42 (EDT)

Water Temperature: n/a Air Temperature: 78.3° F

Kiptopeke, VA - [Return to List](#)

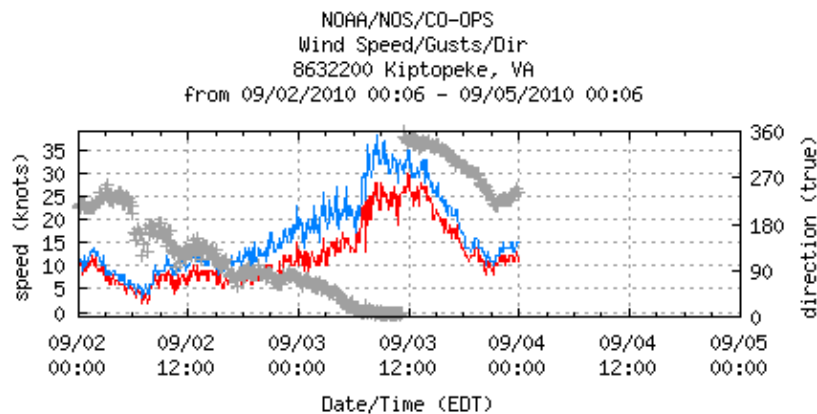


Last Observed Sample: 09/03/2010 23:54 (EDT)

Relative to **MLLW**: **Observed: 1.73 ft.** **Predicted: 0.64 ft.** **Residual: 1.09 ft.**

Historical Maximum Water Level: Mar 8 1962, 4.13 ft. above **MHHW**

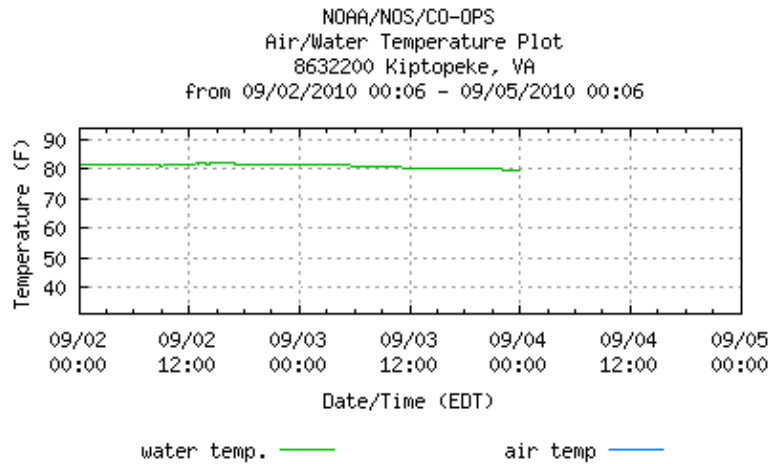
Kiptopeke, VA - [Return to List](#)



Last Observed Sample: 09/03/2010 23:54 (EDT)

Wind Speed: 11 knots **Gusts: 15 knots** **Direction: 243° T**

Kiptopeke, VA - [Return to List](#)



Last Observed Sample: 09/02/2010 00:06 (EDT)

Water Temperature: 81.8° F Air Temperature: n/a

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce